

Product Name: DrayTek Vigor 2862n Router with 802.11n Wireless

Manufacturer: -

Model Number: V2862N-K

Please Note: This product has been discontinued. Please see the Draytek Vigor 2865ac AC1300 Wireless VDSL Router (V2865AC-K) for an alternative.

DrayTek Vigor 2862n Router with 802.11n Wireless

The DrayTek Vigor 2862n ADSL Router is a flagship router/firewall. This router supports both ADSL and VDSL (BT Infinity/FTTC), whilst also boasting several professional-level features to increase security, flexibility and functionality.

DrayTek Vigor 2862n Key Features

� 5-Port Gigabit Ethernet LAN Switch*

آذِ1/2 Up to 8 Private LAN Subnets

ï¿1/2 SSL VPN - Tunnel or Proxy (16 users)

า๊ะู่ 1/2 Up to 32 VPN tunnels for LAN-to-LAN or teleworkers

า๊¿½ Larger Subnets - up to 1022 IPs per subnet (LAN1-3)

As well as ADSL/VDSL support, alternative WAN ports can instead provide connectivity to Ethenet feeds (Gigabit WAN2 is switchable with LAN Port 5*), secondary xDSL modems or a 3G/4G cellular service using a supported USB adapter (or there is the Vigor 2862Ln model with 3G/4G/LTE built-in). These multiple LAN feeds can be combined for failover or load-balancing. If you deploy DrayTek Wireless Access Points, the Vigor 2862 can act as the Central Management controller. *requires f/w 3.8.8 or later, otherwise the 5th Ethernet port is for WAN2 only. DrayTek Vigor 2862n - Technical Specifications Physical Interfaces:

آذِيًا LAN Ports (Switch)5 X Gigabit Ethernet (1000Mb/s) PortsLAN Port 5 Switchable with WAN2 (req. f/w 3.8.8 or later)

T¿½ WAN Ports:WAN1: ADSL/VDSL, RJ11WAN2: Gigabit Ethernet (1000Mb/s) Ethernet for load balance and WAN failoverSwitchable with LAN Port 5WAN3: USB 2.0 Port for 3G/4G Modem, thermometer or PrinterWAN4: USB 2.0 Port for 3G/4G Modem or Printer (Not on vigor 2862Ln)Wireless WAN - Wireless interface can provide WAN connectivity

Performance:

� Firewall: Up to 400Mb/s max � IPSec VPN: Up to 60Mb/s max

ADSL Compatibility:

ï¿1/2 ANSI T1.413 Issue2

าั¿½ ITU-T G.992.1 G.dmt (ADSL)

ï¿⅓ ITU-T G.992.2 G.lite

� ITU-T G.992.3 ADSL2

ï¿1/2 ITU-T G.992.5 ADSL2+

� Annex L (READSL)

ï¿⅓ Annex A

ï¿⅓ Annex M

ī¿1/2 ANFP Issue 3 Compliant/Certified (for Annex A & Dept. Annex M)

ī¿½ DSL Forum: TR-048/67 & amp; TR-100



VDSL Compatibility:

12.1/2 BT Infinity Option 1 & Detion 2 Compatible

ï¿1/2 BT SIN 498 MCT Approved

ï¿1/2 Support for G.INP & amp; Vectoring

ï¿⅓ ITU-T VDSL2 G.993.2

ï¿⅓ ITU-T G.993.1, G.997.1

ï¿1/2 Band Plan: G.998, G.997

Annex A, Annex B, Annex C

� VDSL2 Profile: 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a

ï¿1/2 OLR, UPBO, DPBO Supported

ï¿⅓ US0 Supported

� Loop Diagnostic Mode

� DSL Forum WT-114

Load Balance/Failover Features:

าั¿½ Outbound Policy-Based Load-Balance to direct traffic via:

� NAT or Routing

ï¿⅓ WAN Interface

ï¿1/2 LAN Interface

ï¿1/2 Specific LAN Gateway

ï¿⅓ VPN Tunnel

� IP-Based or Session-Based Load Balance modes

ï¿1/2 WAN Connection Fail-over

� BoD (Bandwidth on Demand)

าั¿½ WAN1 PPPoE/PPPoA Fallback account, used if the primary details are unable to establish a working connection

ī సైస్ట్ Configurable Load-Balance pool, specify WAN interfaces to load balance

ï¿⅓ WAN Budget

Vigor 2862 ATM Protocols (DSL):

ї $\rlap{\i}{\rlap{\i}}\rlap{\i}{\rlap{\i}}\rlap{\i}{\rlap{\i}}\hskip$ RFC-2684/RFC-1483 Multiple Protocol over AAL5

ï¿⅓ RFC-2516 PPP over Ethernet

� RFC-2364 PPP over AAL5

� PPPoE pass through LAN/WLAN

� PPPoE/PPPoA Relay

� Transparent bridge for MPoA

าั¿½ Multiple PVC support for Triple Play Applications (up to 8 simultaneous)

ï¿1/2 Support for RFC4638 for MTU up to 1500

Wireless LAN Features ('n' and 'ac' Models Only):

ï¿1/2 802.11g/b/n and 802.11ac (Vigor 2862ac only)

ï¿1/2 Backward Compatibility for 802.11b/g

ï¿⅓ Wireless Features on Vigor 2862ac:

� 802.11a

� 802.11ac (5Ghz)

� 4x4 MU-Mimo (5Ghz)

� Up to 4 Spacial Streams



- تزير TX Beam Forming
- � 1733Mb/s Link Rate (5Ghz) + 300Mb/s (2.4Ghz)
- آزار Dual-band (2.4/5Ghz) simultaneous wireless
- � 256QAM
- � Extended DFS frequency range
- ī¿1/2 Multiple SSID : Create up to 4 virtual wireless LANs (independent or joined)
- تزار Packet Aggregation and Channel Bonding
- � Optional Higher Gain or directional aerials available
- ï¿1/2 Active Client list in Web Interface
- آذِا Wireless LAN Isolation (from VLAN groups and wired Ethernet interfaces)
- تزير 64/128-bit WEP Encryption
- � WPA/WPA2 Encryption
- � Switchable Hidden SSID
- i¿½ Restricted access list for clients (by MAC address)
- آذِيًّ Time Scheduling (WLAN radio can be disabled at certain times of day)
- � Time Scheduling for individual SSIDs
- � Access Point Discovery
- าั¿½ WDS (Wireless Distribution system) for WLAN Bridging and Repeating
- ï¿1/2 802.1x Radius Authentication
- � Wireless VLAN
- ī సై 1/2 Wireless Rate-Control
- ï¿⅓ Automatic Power Management
- � 802.11e WMM (Wi-Fi Multimedia)
- ī¿1/2 Station Control, limit wireless client access time per day
- ï¿⅓ Airtime Fairness
- ï¿⅓ Band Steering
- Ti21/2 Wireless WAN mode for WAN2, switchable with Ethernet (Wireless models only)

WAN Protocols (Ethernet):

- ï¿⅓ DHCP Client
- ï¿⅓ Static IP
- PPPoE ½ %
- PPTP ½½
- ï¿⅓ BPA

Firewall & Security Features:

- 17.1/2 CSM (Content Security Management):
- آذًا URL Keyword Filtering Whitelist or Blacklist specific sites or keywords in URLs
- آزٰ½ Block Web sites by category (e.g. Adult, Gambling etc. Subject to subscription)
- าั¿½ Prevent accessing of web sites by using their direct IP address (thus URLs only)
- ്റ് Blocking automatic download of Java applets and ActiveX controls
- � Blocking of web site cookies
- ï¿⅓ Block http downloads of file types :
- ï¿1/2 Binary Executable: .EXE / .COM / .BAT / .SCR / .PIF
- � Compressed: .ZIP / .SIT / .ARC / .CAB/. ARJ / .RAR
- Ti, Multimedia: .MOV / .MP3 / .MPEG / .MPG / .WMV / .WAV / .RAM / .RA / .RM / .AVI / .AU

آذِرُ Time Schedules for enabling/disabling the restrictions



- 17.1/2 Block popular P2P (Peer-to-Peer) file sharing programs
- آذِا Block Instant Messaging programs (e.g. IRC, Skype/Yahoo Messenger etc.)
- 17.1/2 DNS Filter: Use DNS to enforce categorisation
- ï¿⅓ Web Portal
- آزار Multi-NAT (32 WAN IPs per WAN1 & amp; WAN2)
- ï¿⅓ DMZ Host
- � DMZ Port (via LAN port P1, switchable)
- ï¿⅓ 40 Port Redirection rules
- i¿½ 40 Open Port rules (10 port ranges per rule)
- � Policy-Based Firewall
- ï¿⅓ MAC Address Filter
- าั¿½ SPI (Stateful Packet Inspection) with new FlowTrack Mechanism
- � DoS / DDoS Protection
- ï¿1/2 IP Address Anti-spoofing
- � E-Mail Alert and Logging via Syslog
- � Bind IP to MAC Address
- � User Management:
- � Up to 200 Profiles
- � Supports external authentication via LDAP or RADIUS
- � Per User Bandwidth and Time Quota
- ī¿1/2 Schedule Control to delete or disable account automatically

Bandwidth Management:

- ï¿1/2 Quality of Service (QoS)
- ï¿1/2 Guaranteed Bandwidth for VoIP
- īപ്2 Class-based Bandwidth Guarantee by User-Defined Traffic Categories
- � Layer 2&3 (802.1p & TOS/DCSP)
- ï¿⅓ DiffServ Code Point Classifying
- ī స్ట్రీ 4-level Priority for each Direction (Inbound / Outbound)
- ï¿1/2 Bandwidth Borrowed
- � App QoS: Classify traffic by Application
- تزن Temporary (5 minute) Quick Blocking of any LAN Client
- 12/2 Bandwidth Limit (Shared or individual limit)
- រ៉េះ/៉ូ Smart Bandwidth Limitation (Triggered by Traffic / Session)
- آز½ Session Limit

Network/Router Management:

- ï¿1/2 Web-Based User Interface (HTTP / HTTPS)
- า๊¿1/2 CLI (Command Line Interface) / Telnet / SSH
- 17.1/2 Web Console: Access CLI through Web Interface
- � Administration Access Control
- � Brute Force Protection
- � Configuration Backup / Restore
- าั¿½ Configuration Import from Vigor 2820, Vigor 2830, Vigor 2850 & Samp; Vigor 2860
- ï¿⅓ Built-in Diagnostic Function



- � Firmware Upgrade via Web Interface, TFTP, FTP
- � Logging via Syslog
- ï¿1/2 Supports SmartMonitor (up to 50 IPs monitored)
- تزار SNMP v2 & Management with MIB-II
- � TR-069
- ۳¿½ TR-104 مرزة
- ī¿½ Access Point Management: Centrally Manage up to 20 DrayTek VigorAPs
- ī¿1/2 Switch Management: Centrally Manage up to 10 DrayTek VigorSwitches

VPN Facilities:

- าั¿½ Up to 32 Concurrent VPN Tunnels (incoming or outgoing)
- � Tunnelling Protocols:
- PPTP ½٪
- � IPSec
- � L2TP
- ï¿⅓ L2TP over IPSec
- � DrayTek SSL
- � GRE
- � IPSec Main and Agressive modes
- Ti. 1/2 IKE Phase 1 DiffieHelman Groups 1,2,5 & amp; 14
- آذِات IKE Phase 2 DiffieHelman Groups 1,2,5 & Type (will match phase 1 selection)
- ï¿1/2 IKEv2 & amp; IKEv2
- าั¿½ Encryption: MPPE, DES / 3DES (168bits) and Hardware-Based AES (128/192/256bits)
- آزا Authentication: Hardware-Based MD5, SHA-1 and SHA-256 (f/w 3.8.3 and later)
- าั¿½ IKE Authentication : Pre-shared Key or X.509 Digital Signature
- ፲¿½ SSL VPN for teleworkers Up to 16 simultaneous users. Proxy or tunnel
- � LAN-to-LAN & Teleworker-to-LAN connectivity
- ï¿⅓ DHCP over IPSec
- � NAT-Traversal (NAT-T)
- � Dead Peer Detection (DPD)
- � VPN Pass-Through
- ī సై MOTP (Mobile One Time Password) for two factor authentication (2FA)
- � Virtual IP Mapping, map a remote IP subnet/range to another range to resolve IP subnet/range conflicts
- � Port forwarding (Port Redirection, Open Ports) to remote clients connected via an IPsec LAN to LAN VPN

Network Features:

- ï¿1/2 Port-Based VLAN (Inclusive/Exclusive Groups)
- آخ 802.1q VLAN Tagging
- آزار Port Mirroring
- � 802.1X Port Authentication
- � Multi Subnet DHCP Servers with DHCP Relay
- าั¿½ LAN Clients: Up to 1022 per subnet (for subnets 1-3)
- � Custom DHCP Option support
- � Dynamic DNS
- ï¿⅓ DNSSEC support
- � DNS Transparent Proxy
- ï¿1/2 DNS Caching
- ï¿1/2 LAN DNS (supports CNAME)



- � NTP Client (Synchronise Router Time)
- تزاري Call Scheduling (Enable/Trigger Internet Access by Time)
- ï¿1/2 RADIUS Client
- � LDAP Client
- ï¿⅓ TACACS+ Client
- ïز½ High Availability
- ï¿1/2 Internal RADIUS Server
- ï¿1/2 Microsoft™ UPnP Support
- ï¿1/2 Maximum MTU 1534
- � Routing Protocols:
- ï¿1/2 Static Routing (30 routes)
- ï¿⅓ RIP V2
- تزير RIPng for IPv6

Operating Requirements:

- تزير Rack Mountable (Optional Vigor RM1 mounting bracket required)
- ï¿1/2 Wall Mountable
- � Temperature Operating: 0°C ~ 45°C
- � Storage: -25°C ~ 70°C
- � Humidity 10% ~ 90% (non-condensing)
- آذِر Power Consumption: 18 Watt Max.
- ї¿½ Dimensions: L240.96 * W165.07 * H43.96 (mm)
- � Operating Power: DC 12V (via external PSU, supplied)
- ï¿1/2 Warranty: Two (2) Years RTB
- ï¿1/2 Power Requirements : 220-240VAC

Please see product User Guide here.

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Price: £214.80